

KPL201

HEAVY-DUTY LI-ION RIDE-ON PALLET TRUCK 2.0T

2000 kg | 120 mm | 24 V Li-Ion



Designed for distribution centers, warehouses, and logistics hubs, the KPL201 is suitable for heavy-duty pallet transport over long distances. Its suspended operator platform, padded backrest, and ergonomic tiller make it comfortable for extended use. The truck's stability and compact chassis allow it to perform efficiently in narrow aisles and high-intensity operations.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			KPL201
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	765
Lift	h_3	mm	125
Overall length	l_1	mm	2381
Overall width	b_1/b_2	mm	734
Length to face of forks	l_2	mm	1234
Fork dimensions	s/e/l	mm	55x170x1150
Turning radius	Wa	mm	2217
Drive			Electric
Operator type			Standing
Load distance, centre of drive axle to fork	x	mm	977
Wheelbase	y	mm	1529

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Features

Power steering for effortless control

Equipped with advanced power steering, the KPL201 ensures precise and stable maneuvering. Operators can handle loads with greater efficiency and less effort, even in demanding, high-traffic environments.





Li-ion battery efficiency

The 24V/205Ah Li-ion battery with 100A external charger supports rapid opportunity charging and eliminates the need for maintenance. This allows maximum uptime and continuous operation across multi-shift logistics tasks.

Operator comfort and safety

Featuring a suspended platform, padded backrest, and semi-enclosed compartment, the KPL201 provides fatigue-free working conditions while ensuring protection against impacts and obstacles.





Safe and stable performance

With a lowered center of gravity and automatic speed reduction during turns, the KPL201 enhances travel stability and safety. Its compact chassis and ergonomic design make it highly suitable for both long-distance transport and confined warehouse spaces.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			KPL201
1.3	Drive			Electric

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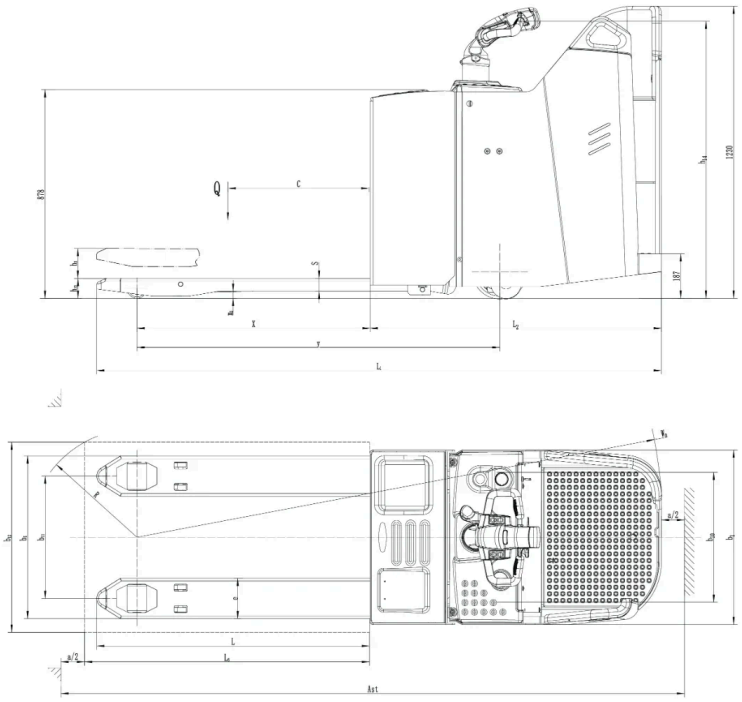
	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	977
1.9	Wheelbase	y	mm	1529
2.1	Service weight		kg	765
2.2	Axle loading, laden front/rear		kg	985/1780
2.3	Axle loading, unladen front/rear		kg	615/150
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ85x70
3.3	Tyre size, rear		mm	Φ230x75
3.4	Additional wheels (castor wheels)		mm	Φ130x55
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/4
3.6	Tread width, front	b_{10}	mm	514
3.7	Tread width, rear	b_{11}	mm	515
4.4	Lift	h_3	mm	125
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1154/1254
4.15	Height, lowered	h_{13}	mm	85
4.19	Overall length	l_1	mm	2381
4.20	Length to face of forks	l_2	mm	1234
4.21	Overall width	b_1/b_2	mm	734
4.22	Fork dimensions	s/e/l	mm	55x170x1150
4.25	Distance between fork-arms	b_5	mm	540/685
4.32	Ground clearance, centre of wheelbase	m_2	mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3017
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2874
4.35	Turning radius	Wa	mm	2217
5.1	Travel speed, laden/unladen		km/h	8.5/10.0
5.2	Lift speed, laden/unladen		m/s	0.051 / 0.060
5.3	Lowering speed, laden/unladen		m/s	0.032 / 0.039
5.8	Max. gradeability, laden/unladen		%	6/16
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	2.2

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	SPECIFICATION	REF	UNIT	VALUE
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	205
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	62
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.219 [1)]
6.7	Turnover output according to VDI 2198			132
6.8	Turnover efficiency according to VDI 2198			141.18
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	85

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ITEM	OPTIONS (optional items marked in yellow)
Load wheel type	Double | Single
Load wheel material	PU
Drive wheel material	PU | Trace PU | Rubber | PU (High Performance)
Battery capacity	205Ah (Li-ion truck) | 280Ah (Lead-acid truck) | 210Ah/345Ah (Lead-acid truck)
Charger	24V-100A external charger (for 205Ah battery) | 24V-30A external charger (for 210/280Ah battery) | 24V-50A external charger (for 345Ah battery)
Battery indicator	With hourmeter
Castor wheels	Castor wheels
Fork width	540/685
Fork length	1150/1220 | 850/1000/1300/1450/1600/1800 /2000/2200/2400
Load backrest height	1220 mm (48in) | 1520 mm (60in)

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